

SOFTWARE REQUIREMENT **DOCUMENT**

**Real Estate
Management System**

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TAJ
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Project Title:

Real Estate Management System

(REMS)

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Revision History

Name	Date	Reason for change	Version
Faiz Ali	10/10/2022	Export of software Requirement from client.	1.0
Raja Shahbaz	05/11/2022	More additions by client	1.1
Ahmed Hassan	15/11/2022	Further improvement	1.2

1. Introduction

1.1 Vision

A system that will enable an end user to buy, sell or rent out the property online.

1.2 Scope

To access real-estate business online by the end users.

1.3 Objectives

A Real Estate Management System (REMS) is software used to deal with day to day activities of a buying, selling or renting rental properties.

1.4 Intended Audience

End users.

2. Overall Description

2.1 Problem Statement

There is no software or any system in Pakistani market that allows user to purchase or sell property online with approval from any Government Housing Authority such as CDA.

2.2 Detailed Description

This system is approved from Government and can be used to perform necessary actions such as buying, selling or renting of property without any doubt of fraudulent activity. This system shall first give a sign-in/sign-up interface to login and save the sign-up data for future use. Then the dashboard shall appear and ask the user to choose between buy, sell or rent property. Then it shall proceed according to user choices.

3. System Features and Requirements

Functional Requirements

3.1 Login

1. The system shall allow login via email and password.
2. The system shall allow login via mobile number with OTP request.
3. The system shall remember the credentials for later user.
4. The system shall send the notification after successful login attempt.
5. The system shall allow the Guest Login.

3.2 Dashboard

- 3.2.1 The system shall ask whether the user is buyer or seller.
- 3.2.2 The system shall take and save the personal information of the user.
- 3.2.3 Further the system shall provide user with three options buy, sell, rent.
- 3.2.4 The system shall ask user for his desired society out of given societies.
- 3.2.5 The system shall ask him what type of land, he wants to deal in.

3.3 Buy

- 3.3.1 The system shall ask him/her about his/her requirements.
- 3.3.2 The system shall show the details of the desired property.
- 3.3.3 The system shall provide contact of seller.
- 3.3.4 If the requirements do not match any of property stored in the system database, the system shall store the details provided by the user to check availability later on.
- 3.3.5 The system shall notify the user if any property with his/her requirements comes in the database.

3.4 Sell

- 3.4.1 The system shall ask him/her about his/her details of land/property.

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- 3.4.2 The system shall save the details provided by seller.
 - 3.4.3 The system shall compare the saved details of the seller with the buyer's requirements.
 - 3.4.4 If the requirements of buyer match the details of the seller, the system shall notify the buyer.
 - 3.4.5 The system shall provide contact of seller to buyer.
 - 3.4.6 Else the system shall ask the seller to wait for a match.

3.5 Rent

- 3.5.1 The system shall ask him/her about his/her requirements of land/property.
- 3.5.2 The system shall compare the user requirements with data stored in system's database.
- 3.5.3 If there is any match the system shall notify the user and provide him with details of rental and contact info.
- 3.5.4 Else the system shall ask the user to wait for a match.

Nonfunctional Requirements

3.6 Scalability

The system shall be scalable enough to support 1,000 visits at the same time while maintaining optimal performance

3.7 Required resources:

The system shall be able to run with minimum of 1024 MB of RAM. The system must use less than one gig of hard disk space. We can check the physical memory in the Windows Task Manager performance tab.

3.8 Security

Bank management systems are notorious for being subject to malicious attacks, so security is the major requirement for the system. Unauthorized access to the data is not permissible.

External Interface Requirements

Operating system: Windows XP or Higher with latest installed updates.

Processor: 500 MHz or faster.

Ram: 128 mb or more.